

# SI 26

TWO-WAY SURFACE MOUNT SPEAKERS  
WITH 6.5" WOOFER

*System* **INTEGRATOR**<sup>®</sup>  
S P E A K E R   S E R I E S

- Exclusive conical horn design
- 1" (2.5 cm) ferrofluid-cooled, aluminum dome tweeter
- 6.5" (16.5 cm) long-throw woofer with dual tuned bass reflex ports
- Frequency response: 70 Hz to 20 kHz
- 75 watts continuous pink noise, 150 watts continuous program
- Exclusive V-Lock<sup>®</sup> mounting system included
- 8 ohm nominal impedance
- Black or white high-impact, weather-resistant enclosure
- Paintable grille and enclosure
- 5 year parts and labor warranty



The Extron SI 26 is a two-way surface mount speaker featuring a ferrofluid-cooled, aluminum dome tweeter coupled to an Extron exclusive, new conical horn design for minimum phase shift and a flat response over the mid- and high-frequency ranges. A long-throw woofer with large magnets provides solid low-frequency response. This System Integrator<sup>®</sup> Series speaker is ideally suited for classrooms, conference rooms, and boardrooms, and features a weather-resistant enclosure for use in outdoor environments.



**Extron. Electronics**  
[www.extron.com](http://www.extron.com)

## DESCRIPTION

The Extron SI 26 two-way surface mount speaker features a ferrofluid-cooled, aluminum dome tweeter coupled to an Extron exclusive, new conical horn design for minimum phase shift and a flat response over the mid- and high-frequency ranges. Harsh tonal qualities due to cancellation in portions of the frequency range caused by phase shifting are all but eliminated with this new conical horn design. A long-throw woofer with large magnets provides solid low-frequency response. A new approach to crossover design assures a smooth transition from bass through midrange to the high frequencies, delivering optimum voice and music reproduction. An input power-limiting protection circuit is included for preventing woofer and tweeter damage due to overdriving.

This System Integrator Series speaker is ideally suited for classrooms, conference rooms, and boardrooms, and with a weather-resistant construction, is at home in outdoor environments.

The SI 26 features a 6.5" (16.5 cm) long-throw woofer, a 1" (2.5 cm) tweeter, 150 watts continuous program capacity, and frequency response from 70 Hz to 20 kHz. This speaker has a nominal impedance of 8 ohms with a durable, high-impact housing.

Included with the SI 26 is Extron's exclusive patent pending V-Lock mounting hardware, which facilitates easy, secure installations and allows for wide 60° horizontal and 55° vertical travel.

The SI 26 is sold in pairs and is available in a black or white finish, and includes a 5 year parts and labor warranty.

## FEATURES

- Exclusive conical horn design
- 1" (2.5 cm) ferrofluid-cooled, aluminum dome tweeter
- 6.5" (16.5 cm) long-throw woofer with dual tuned bass reflex ports
- Frequency response: 70 Hz to 20 kHz
- 75 watts continuous pink noise, 150 watts continuous program
- Exclusive V-Lock mounting system included
- Internal driver overload protection
- 8 ohm nominal impedance
- Black or white high-impact, weather-resistant enclosure
- Grille and enclosure may be painted to match environment
- 5 year parts and labor warranty

## SPECIFICATIONS

### AUDIO/ACOUSTIC AND ELECTRICAL

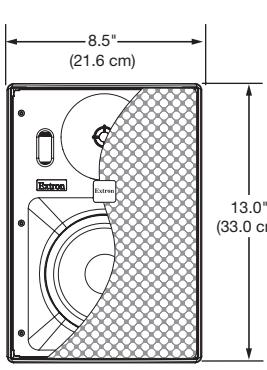
Speaker type	2-way, indoor/outdoor surface mount speaker
Frequency range	70 Hz to 20 kHz, -10 dB, half space
Power capacity	75 W continuous pink noise 150 W continuous program
Nominal sensitivity	90 dB SPL, 1W, 1m, half space
Nominal impedance	8 ohms
Crossover frequency	2.3 kHz
Woofer	6.5" (165 mm) polypropylene cone with moisture resistant coating
Tweeter	1.0" (25 mm) aluminum dome
Overload protection	Full range power limiter, protecting the tweeter, woofer, and crossover
Input connector	2 pin spring terminals

### GENERAL

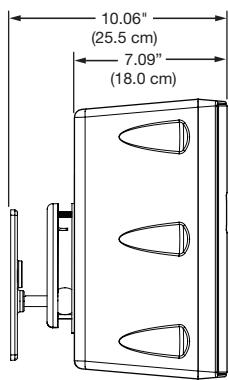
Package	2 speakers (1 pair)
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting	Wall mountable with included wall mountable V-lock brackets
NOTE:	V-lock brackets can be angled up to 20° upward, 35° downward, 30° to the left, and 30° to the right.
Enclosure type	Plastic, trapezoidal, with metal grille and bass reflex ports
Enclosure outer dimensions	13.0" H x 8.5" W x 6.75" D (33.0 cm H x 21.6 cm W x 17.1 cm D)
Product weight	11 lbs (5 kg) each
Shipping weight	30 lbs (14 kg) per pair with mounting kit package
Warranty	5 years parts and labor

NOTE: All nominal levels are at  $\pm 10\%$ .

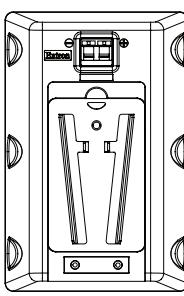
## DIMENSIONAL DRAWINGS



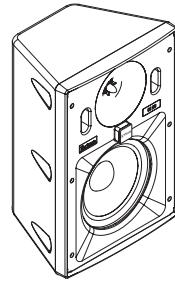
Front View



Side View



Back View



Isometric View

## FEATURES

### Extron Conical Horn

Exclusive to the Extron SI 26 is a conical horn design that works in conjunction with the tweeter and phase plug to deliver minimal phase shift and flat frequency response over the midrange and high frequencies. Phase distortion is caused by a mismatch in dispersion patterns from the woofer and tweeter at the crossover frequency. This results in a harsh tonal quality characteristic of frequency cancellation caused by phase shifting.

The Extron conical horn acts as a waveguide to create a wide dispersion pattern for the tweeter that closely matches that of the woofer, so that frequencies from both drivers are smoothly merged together and the audio quality is improved and more natural-sounding. The phase plug further contributes to the flat frequency response and minimized phase shifting by working with the highest frequencies emanating from the tweeter to increase dispersion and reduce phase distortion.



### Extron V-Lock Speaker Mounting System

Integrators are confronted with a number of challenges in the successful installation of surface mount speakers. To address these challenges, Extron has developed **V-Lock**, an exclusive, patent pending speaker mounting system, included with each SI 26 surface mount speaker.

V-Lock simplifies installation and substantially reduces the effort required to place and correctly position wall-mounted speakers, while also offering theft deterrence. V-Lock is comprised of two components, one that is mounted to the wall, and the other that is integral to the speaker.



- **Easily mounts like a picture frame** – After mounting

the V-Lock bracket to the wall, position the speaker so that the "V" rails on the back slide into the "V" channel of the wall mount. The process is akin to installing a picture frame onto the wall. The speaker is now fully supported by the mounting hardware, so that a balancing act is no longer necessary.

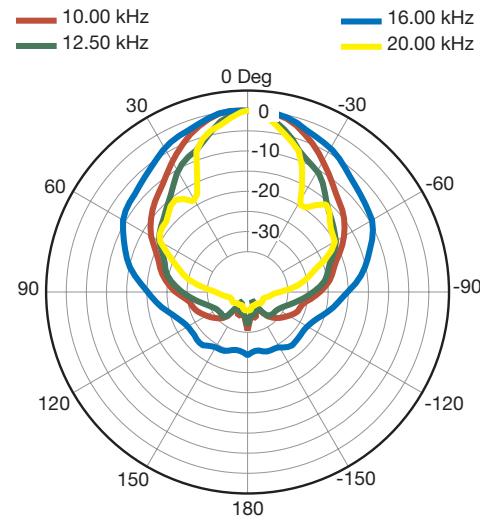
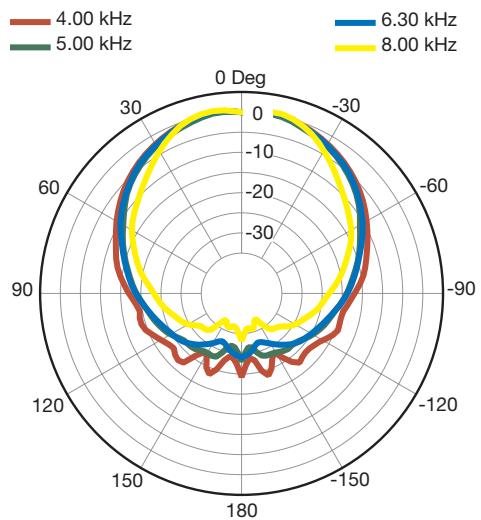
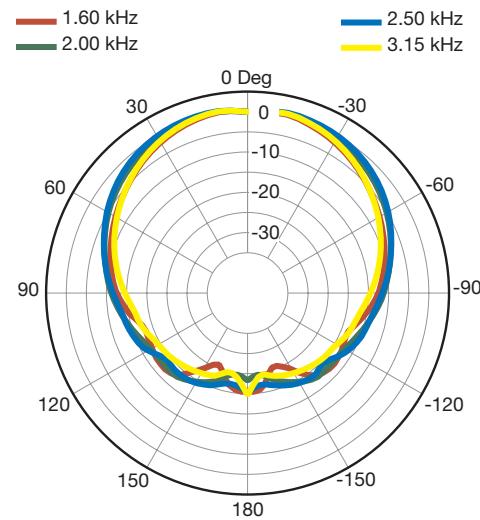
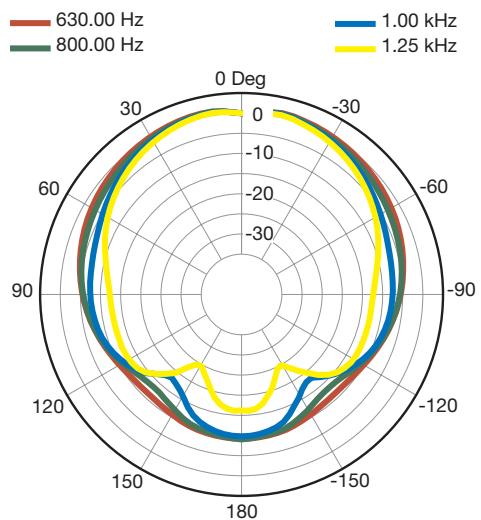
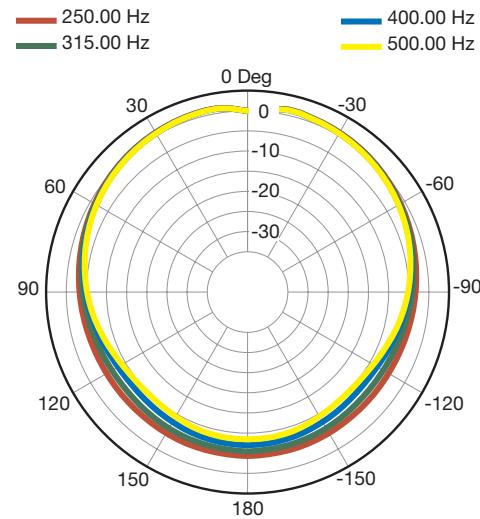
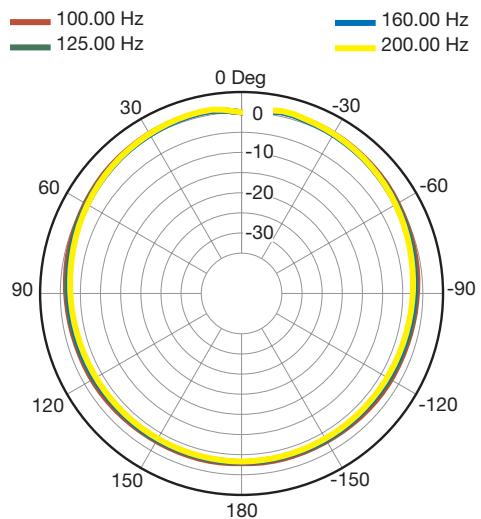
- **One-step positioning and locking** – Both hands are now free to orient the speaker as desired. Then, using the included tool, fully secure the speaker to the mounting hardware by tightening the V-Lock mount through the slot on the front grille. The subtle, low profile Extron badge covers the slot after installation, hiding it from view.

- **Wide positioning arc** – V-Lock offers wide 60° horizontal and 55° vertical travel, so that the speaker can be easily positioned to achieve optimized sound coverage.

- **Theft-deterrent design** – The V-Lock mounting hardware is integral to the speaker, making simple detachment impossible. Access to the hardware is possible only through the front baffle slot, which is concealed. Additionally, only the included tool will work with the hardware. Therefore, V-Lock provides an effective solution for deterring theft.

## POLAR GRAPHS – 1/3 OCTAVE, Horizontal

Extron® Electronics

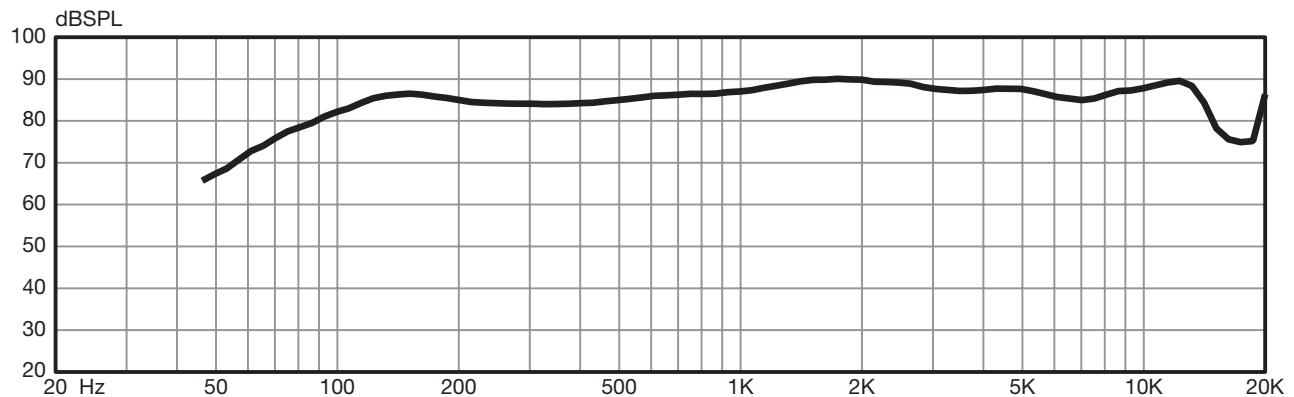


Specifications are subject to change without notice.

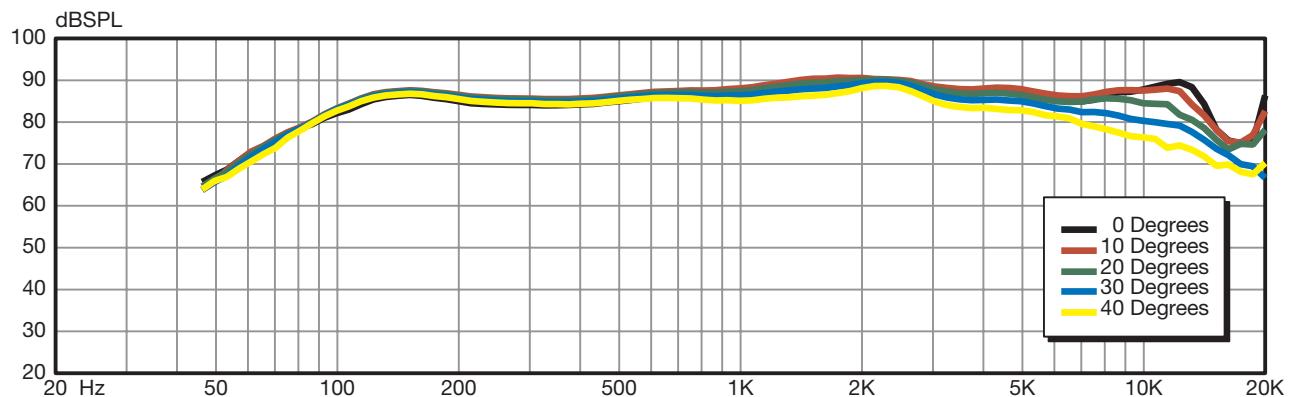
## RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

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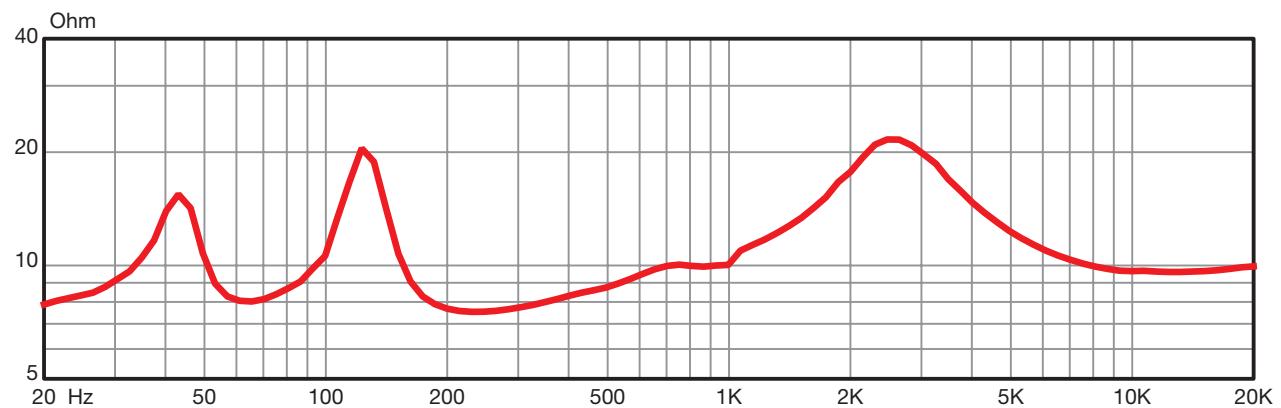
### SPL VS. FREQUENCY – 1 WATT @ 1 METER RESPONSE, FULL SPACE ( $4\pi$ )



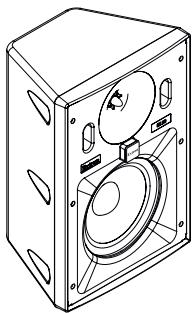
### SPL VS. FREQUENCY – HORIZONTAL OFF-AXIS RESPONSE, FULL SPACE ( $4\pi$ )



### IMPEDANCE VS. FREQUENCY

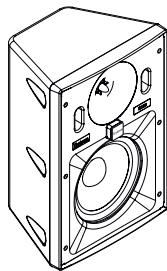


**SURFACE SPEAKERS**



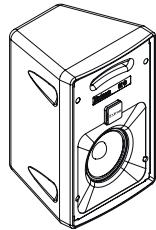
**SI 28**

8" (20.3 cm) Woofer  
1" (2.5 cm) Tweeter  
50 Hz to 20 kHz  
180 Watts Cont. Prog.



**SI 26**

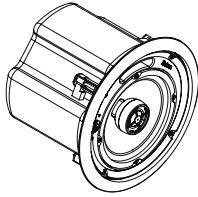
6.5" (16.5 cm) Woofer  
1" (2.5 cm) Tweeter  
70 Hz to 20 kHz  
150 Watts Cont. Prog.



**SI 3**

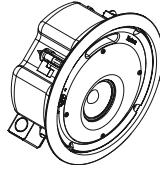
3" (7.6 cm) full Range  
75 Hz to 18 kHz  
32 Watts Cont. Prog.

**CEILING SPEAKERS**



**SI 26CT**

6.5" (16.5 cm) Woofer  
1" (2.5 cm) Pivoting Tweeter  
70 Hz to 20 kHz  
150 Watts Cont. Prog.  
Plenum Rated 8" Back Can



**SI 3CT LP**

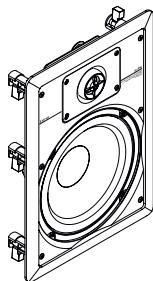
3" (7.6 cm) Full Range  
75 Hz to 17 kHz  
32 Watts Cont. Prog.  
Plenum Rated 4" Back Can



**SI 26X**

6.5" (16.5 cm) Woofer  
50 Hz to 20 kHz  
.75" (1.9 cm) Tweeter  
50 Watts Cont. Prog.

**IN WALL SPEAKERS**



**SI 28W**

8" (20.3 cm) Woofer  
1" (2.5 cm) Tweeter  
30 Hz to 20 kHz  
70 Watts Cont. Prog.



**SI 26W**

6.5" (16.5 cm) Woofer  
.75" (1.9 cm) Tweeter  
40 Hz to 20 kHz  
60 Watts Cont. Prog.



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